| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 24728 | (contact adj (lens or lenses)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/25 15:06 |
| L2 | 105549 | sorbitol | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/25 15:06 |
| L3 | 409 | (dexpanthenol) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/25 15:07 |
| L4 | 2 | 1 and 2 and 3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/25 15:07 |
| L5 | 172 | 2 and 3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/25 15:07 |
| L6 | 128 | 5 and ("510"/$ or "424"/$ or "8"/$).ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/25 15:10 |
| L7 | 31 | (("19881108") or ("4783402") or ("19911022") or ("5059414") or ("19930406") or ("5199954") or ("19940823") or ("5340570") or ("19970114") or ("5593662") or ("19940818") or ("9417830") or ("19970624") or ("5641493") or ("19970722") or ("5650166") or ("19940818") or ("9417774") or ("19971007") or ("5674509") or ("19971111") or ("5686088") or ("19971111") or ("5686089") or ("19990105") or ("5855876") or ("19960606") or ("9616545") or ("19990216") or ("5871760") or ("19990309") or ("5879689") or ("19990323") or ("5885948") or ("19990914") or ("5951991") or ("20000111") or ("6013271") or ("20000627") or ("6080707") or ("20000627") or ("6080708") or ("20000718") or ("6090396") or ("20000801") or ("6096325") or ("20010821") or ("6277362") or ("20020723") or ("6423323") or ("20020103") or ("20020207") or ("20020214") or ("20021105") or ("6475500") or ("20020307") or ("20020326") or ("6362145") or ("20020411") or ("20020514") or ("6387382") or ("20020516") or ("20020530") or ("20030701") or ("6586479") or ("20020613") or ("20021024") or ("20030211") or ("6518228") or ("20030327") or ("20030501") or ("20030506") or ("6559110") or ("20030703") or ("20040309") or ("6703536") or ("20030724") or ("19990930") or ("9948386") or ("20030812") or ("6605296") or ("20031106") or ("20040122") or ("20040304") or ("20040323") or ("6710223") or ("20040527") or ("20040603") or ("20040701") or ("20040722") or ("20040826") or ("20040902") or ("20040909") or ("20040916") or ("20040930") or ("20041202") or ("20041223") or ("20050120") or ("20050317") or ("20050317") or ("20050512") or ("20050602")).PN. | USPAT | OR | OFF | 2005/06/25 15:10 |

| L8 | 158 | 6 or 7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/06/25 15:26 |
|---|---|---|---|---|---|---|
| L9 | 88 | (("5840681") or ("6217885") or ("5667791") or ("6586479") or ("6518228") or ("6001391") or ("6559110") or ("5650166") or ("6497886") or ("6787157") or ("6423323") or ("5641493") or ("4970220") or ("4478853") or ("5059414") or ("5879689") or ("5674509") or ("5340570") or ("5445823") or ("5545407") or ("6803063") or ("5932228") or ("5686089") or ("6852332") or ("5750122") or ("6096325") or ("6277362") or ("6750291") or ("5199954") or ("5855876") or ("5593662") or ("6806213") or ("6090396") or ("6013271") or ("5871760") or ("6362145") or ("5939099") or ("6570054") or ("5885948") or ("5620694") or ("6080707") or ("5744149") or ("5783174") or ("5951991") or ("5686088") or ("6793930") or ("6630442") or ("5629002") or ("6080708") or ("6337320") or ("6187342") or ("6387382") or ("5264422") or ("5416205") or ("6716441") or ("5147861") or ("5827886") or ("4783402") or ("5719197") or ("5446070") or ("6638528") or ("6703536") or ("6582711") or ("5336668") or ("6475500") or ("6444647") or ("5997887") or ("6723358") or ("6165500") or ("6562360") or ("6352701") or ("6013270") or ("6534069") or ("5908619") or ("6153209") or ("6605296") or ("6610315") or ("6562363") or ("5951993") or ("6331289") or ("6680047") or ("6090395") or ("6500463") or ("6623744") or ("6710223") or ("6264917") or ("6261537") or ("6267957")).PN. | USPAT | OR | OFF | 2005/06/25 15:26 |
| L10 | 683 | 9 or ((1 and 2) or (1 and 3)) | USPAT | OR | OFF | 2005/06/25 15:27 |
| L11 | 227 | 10 and (contact adj (lens or lenses)).ti,ab,clm. | USPAT | OR | OFF | 2005/06/25 15:27 |
| L12 | 315 | 9 or 11 | USPAT | OR | OFF | 2005/06/25 15:28 |

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

```
=> s d-sorbitol/cn
L1              1 D-SORBITOL/CN

=> d 1
```

L1    ANSWER 1 OF 1   REGISTRY   COPYRIGHT 2005 ACS on STN
RN    50-70-4   REGISTRY
ED    Entered STN:  16 Nov 1984
CN    D-Glucitol (9CI)   (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN    Glucitol, D- (8CI)
OTHER NAMES:
CN    (-)-Sorbitol
CN    7B5697N
CN    C*Sorbidex
CN    C*Sorbidex P 16616
CN    Cerestar P 16616
CN    Cholaxine
CN    Cystosol
CN    D-(-)-Sorbitol
CN    D-Sorbit 50M
CN    **D-Sorbitol**
CN    D-Sorbol
CN    Diakarmon
CN    E 420
CN    Esasorb
CN    Foodol D 70
CN    Glucarine
CN    Glucarine (sorbitol syrup)
CN    Glucitol
CN    Karion
CN    Karion (carbohydrate)
CN    Karion instant
CN    Kyowa Powder 50M
CN    L-Gulitol
CN    Multitol
CN    Neosorb
CN    Neosorb 20/60DC
CN    Neosorb 70/02
CN    Neosorb 70/70
CN    Neosorb P 20/60
CN    Neosorb P 60
CN    Neosorb P 60W
CN    Nivitin
CN    NSC 25944
CN    P 60W
CN    Resulax
CN    Sionit
CN    Sionit K
CN    Sionite
CN    Sionon
CN    Siosan
CN    Sorbex M
CN    Sorbex R
CN    Sorbex Rp
CN    Sorbex S
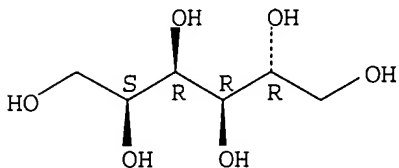CN    Sorbex X
CN    Sorbidex S 16601
CN    Sorbilande
CN    Sorbilax
CN    Sorbit
ADDITIONAL NAMES NOT AVAILABLE IN THIS FORMAT - Use FCN, FIDE, or ALL for

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       DISPLAY
FS     STEREOSEARCH
DR     8013-15-8, 8014-89-9, 8036-93-9, 8042-39-5, 8045-74-7, 8046-05-7,
       63800-20-4, 15060-73-8, 98201-93-5, 3959-53-3, 36134-87-9, 75398-79-7
MF     C6 H14 O6
CI     COM
LC     STN Files:  ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
          BIOTECHNO, CA, CABA, CANCERLIT, CAOLD, CAPLUS, CASREACT, CBNB, CEN,
          CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU,
          DETHERM*, DIOGENES, DIPPR*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2,
          ENCOMPPAT, ENCOMPPAT2, GMELIN*, HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB,
          IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PDLCOM*, PIRA,
          PROMT, PS, RTECS*, SPECINFO, TOXCENTER, TULSA, USAN, USPAT2, USPATFULL,
          VETU, VTB
             (*File contains numerically searchable property data)
          Other Sources:  DSL**, EINECS**, TSCA**
             (**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.
```



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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

          18656 REFERENCES IN FILE CA (1907 TO DATE)
           1510 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
          18681 REFERENCES IN FILE CAPLUS (1907 TO DATE)
              1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)


=> s dexpanthenol/cn
L2             1 DEXPANTHENOL/CN

=> d 1

L2     ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2005 ACS on STN
RN     81-13-0  REGISTRY
ED     Entered STN:  16 Nov 1984
CN     Butanamide, 2,4-dihydroxy-N-(3-hydroxypropyl)-3,3-dimethyl-, (2R)- (9CI)
       (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN     Butanamide, 2,4-dihydroxy-N-(3-hydroxypropyl)-3,3-dimethyl-, (R)-
CN     Butyramide, 2,4-dihydroxy-N-(3-hydroxypropyl)-3,3-dimethyl-, D-(+)- (8CI)
OTHER NAMES:
CN     (+)-Panthenol
CN     Alcopan 250
CN     Bepanthen
CN     Bepanthene
CN     Bepantol
CN     Cozyme
CN     D(+)-α,γ-Dihydroxy-N-(3-hydroxypropyl)-β,β-
       dimethylbutyramide
CN     D(+)-2,4-Dihydroxy-N-(3-hydroxypropyl)-3,3-dimethylbutyramide
CN     D(+)-Panthenol
CN     D(+)-Pantothenyl alcohol
CN     D-P-A Injection
CN     D-Panthenol
CN     d-Panthenol
CN     d-Panthenol 50
CN     d-Pantothenol
CN     D-Pantothenyl alcohol
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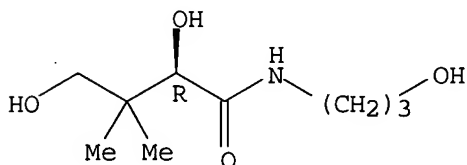
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CN   d-Pantothenyl alcohol
CN   Dexpanthenol
CN   Ilopan
CN   Intrapan
CN   Motilyn
CN   NSC 302962
CN   Panadon
CN   Pantenyl
CN   Panthenol
CN   Panthenol, (+)-
CN   Panthoderm
CN   Pantol
CN   Pantothenol
CN   Pantothenyl alcohol
CN   Propanolamine, N-pantoyl-
CN   Provitamin B
CN   Provitamin B5
CN   Synapan
CN   Thenalton
CN   Urupan
CN   Zentinic
FS   STEREOSEARCH
DR   1113-70-8, 17307-32-3
MF   C9 H19 N O4
CI   COM
LC   STN Files:   ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOBUSINESS, BIOSIS,
        BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CEN, CHEMCATS,
        CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DIOGENES, DRUGU, EMBASE,
        HODOC*, HSDB*, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IPA, MEDLINE, MRCK*,
        MSDS-OHS, NAPRALERT, PIRA, PROMT, PS, RTECS*, TOXCENTER, USAN, USPAT2,
        USPATFULL
          (*File contains numerically searchable property data)
     Other Sources:   DSL**, EINECS**, TSCA**, WHO
          (**Enter CHEMLIST File for up-to-date regulatory information)
```

Absolute stereochemistry.



**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

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        1146 REFERENCES IN FILE CA (1907 TO DATE)
          33 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
        1148 REFERENCES IN FILE CAPLUS (1907 TO DATE)
          19 REFERENCES IN FILE CAOLD (PRIOR TO 1967)
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=> file uspatful
COST IN U.S. DOLLARS                              SINCE FILE       TOTAL
                                                    ENTRY         SESSION
FULL ESTIMATED COST                                 13.31          13.52
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FILE 'USPATFULL' ENTERED AT 15:10:24 ON 25 JUN 2005
CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1971 TO PATENT PUBLICATION DATE: 23 Jun 2005 (20050623/PD)
FILE LAST UPDATED: 23 Jun 2005 (20050623/ED)
HIGHEST GRANTED PATENT NUMBER: US6910221
HIGHEST APPLICATION PUBLICATION NUMBER: US2005138714
CA INDEXING IS CURRENT THROUGH 23 Jun 2005 (20050623/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 23 Jun 2005 (20050623/PD)
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REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2005
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2005

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>>>   USPAT2 is now available.  USPATFULL contains full text of the      <<<
>>>   original, i.e., the earliest published granted patents or          <<<
>>>   applications.  USPAT2 contains full text of the latest US          <<<
>>>   publications, starting in 2001, for the inventions covered in      <<<
>>>   USPATFULL.  A USPATFULL record contains not only the original      <<<
>>>   published document but also a list of any subsequent               <<<
>>>   publications.  The publication number, patent kind code, and       <<<
>>>   publication date for all the US publications for an invention      <<<
>>>   are displayed in the PI (Patent Information) field of USPATFULL    <<<
>>>   records and may be searched in standard search fields, e.g., /PN,  <<<
>>>   /PK, etc.                                                          <<<

>>>   USPATFULL and USPAT2 can be accessed and searched together         <<<
>>>   through the new cluster USPATALL.  Type FILE USPATALL to           <<<
>>>   enter this cluster.                                                <<<
>>>                                                                      <<<
>>>   Use USPATALL when searching terms such as patent assignees,        <<<
>>>   classifications, or claims, that may potentially change from       <<<
>>>   the earliest to the latest publication.                           <<<
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This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> d his

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      (FILE 'HOME' ENTERED AT 15:09:27 ON 25 JUN 2005)

      FILE 'REGISTRY' ENTERED AT 15:09:40 ON 25 JUN 2005
L1              1 S D-SORBITOL/CN
L2              1 S DEXPANTHENOL/CN

      FILE 'USPATFULL' ENTERED AT 15:10:24 ON 25 JUN 2005
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=> s l1 and l2
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           4112 L1
            415 L2
L3           59 L1 AND L2
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=> d l3 1-59 pi

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L3    ANSWER 1 OF 59  USPATFULL on STN
PI      US 2005118272      A1    20050602

L3    ANSWER 2 OF 59  USPATFULL on STN
PI      US 2005101927      A1    20050512

L3    ANSWER 3 OF 59  USPATFULL on STN
PI      US 2005058693      A1    20050317

L3    ANSWER 4 OF 59  USPATFULL on STN
PI      US 2005058674      A1    20050317

L3    ANSWER 5 OF 59  USPATFULL on STN
PI      US 2005014730      A1    20050120

L3    ANSWER 6 OF 59  USPATFULL on STN
PI      US 2004258647      A1    20041223

L3    ANSWER 7 OF 59  USPATFULL on STN
PI      US 2004241201      A1    20041202

L3    ANSWER 8 OF 59  USPATFULL on STN
PI      US 2004191274      A1    20040930

L3    ANSWER 9 OF 59  USPATFULL on STN
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PI      US 2004180069       A1    20040916

L3    ANSWER 10 OF 59   USPATFULL on STN
PI      US 2004175343       A1    20040909

L3    ANSWER 11 OF 59   USPATFULL on STN
PI      US 2004171693       A1    20040902

L3    ANSWER 12 OF 59   USPATFULL on STN
PI      US 2004167479       A1    20040826

L3    ANSWER 13 OF 59   USPATFULL on STN
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L3    ANSWER 14 OF 59   USPATFULL on STN
PI      US 2004126604       A1    20040701

L3    ANSWER 15 OF 59   USPATFULL on STN
PI      US 2004105827       A1    20040603

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PI      US 6605296          B1    20030812
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PI      US 2003139711       A1    20030724
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PI      US 2003059394       A1    20030327

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PI      US 6518228          B1    20030211

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L3    ANSWER 29 OF 59   USPATFULL on STN
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        US 6586479          B2    20030701

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PI       US 2002001599        A1    20020103
         US 6423323           B2    20020723

L3    ANSWER 39 OF 59   USPATFULL on STN
PI       US 6277362           B1    20010821

L3    ANSWER 40 OF 59   USPATFULL on STN
PI       US 6096325                 20000801

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PI       US 6090396                 20000718

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L3    ANSWER 43 OF 59   USPATFULL on STN
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PI       US 5879689                 19990309

L3    ANSWER 48 OF 59   USPATFULL on STN
PI       US 5871760                 19990216
         WO 9616545   19960606

L3    ANSWER 49 OF 59   USPATFULL on STN
PI       US 5855876                 19990105

L3    ANSWER 50 OF 59   USPATFULL on STN
PI       US 5686089                 19971111

L3    ANSWER 51 OF 59   USPATFULL on STN
PI       US 5686088                 19971111

L3    ANSWER 52 OF 59   USPATFULL on STN
PI       US 5674509                 19971007
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         WO 9417774   19940818

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PI    US 5641493                   19970624
      WO 9417830   19940818

L3    ANSWER 55 OF 59   USPATFULL on STN
PI    US 5593662                   19970114

L3    ANSWER 56 OF 59   USPATFULL on STN
PI    US 5340570                   19940823

L3    ANSWER 57 OF 59   USPATFULL on STN
PI    US 5199954                   19930406

L3    ANSWER 58 OF 59   USPATFULL on STN
PI    US 5059414                   19911022

L3    ANSWER 59 OF 59   USPATFULL on STN
PI    US 4783402                   19881108
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Serial Number:
10044373
Pgpub Number:
0

Keywords:
contact;contact lens;lens;dexpanthenol;sorbit;aqueous
solution;constituents;buffer;substances;affect;tonicity;surface
active;complexing;compounds;phmb;sodium chloride;potassium chloride;nacl;kcl;active
substance;disinfecting;clean;soft contact;contact
lenses;lenses;pantothenic;provitamin;panthenol;been used;healing;

Class list:
422/28;514/840;514/839;424/78.36;424/78.26;134/901;510/115;510/466;510/112;134/42;

Int Class list:
A61L 002/16;A61L 002/00;C11D 003/48;C11D 009/36;C11D 003/37;C11D 001/82;B08B
007/00;B08B 003/08;B08B 003/04;A61K 031/14;

Special Keywords:


Negative Keywords:


Features:
feature#1(w=500);dexpanthenol;pantothenyl alcohol;pantothenol;panthenol;provitamin
b;pantol;
feature#2(w=500);D-sorbitol;sorbitol;glucitol;glucarine;
feature#3(w=200);contact lens;
feature#4(w=100);PHMB;

Percent Features:
feature#1:12%
feature#2:100%
feature#3:87%
feature#4:68%

Best results:
5607908
5422029
5756045
5422073
5500186
5593637
5817277
6121327
5500144
5711823
6872695